

FIG. 1.



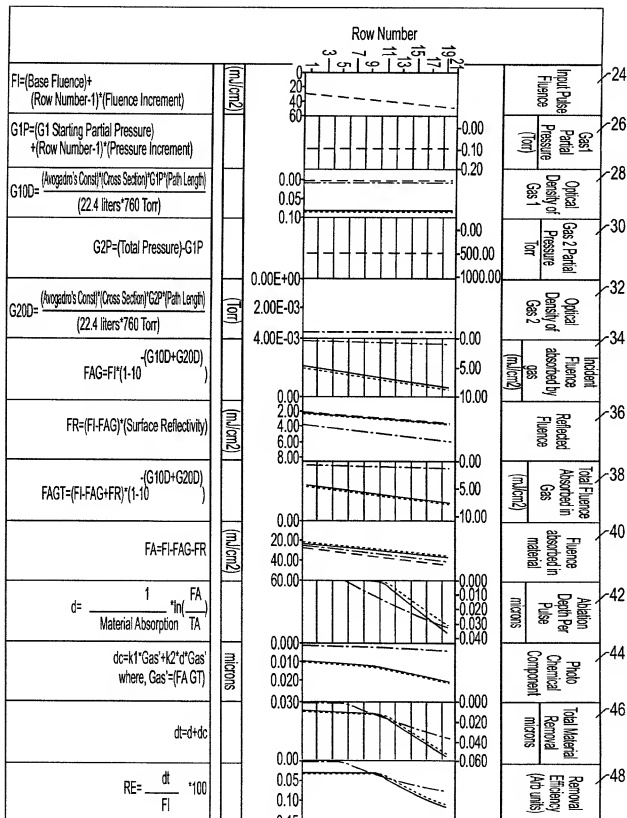


FIG. 3.

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193 nm		24	26	28	30	32	34	36	38	40	42	44	46	48	
Row Number	Input Pulse Fluence	(mJ/cm ²)		(Torr)		Optical Density of Gas 2		(mJ/cm ²)		(mJ/cm ²)		microns		microns	Removal Efficiency (arbitrary Units)
		Gas 1 Partial Pressure	Optical Density of Gas 1	Gas 2 Partial Pressure	Optical Density of Gas 2	Incident Fluence absorbed by gas	Reflected Fluence	Total Fluence Absorbed in Gas	Fluence absorbed in material	Ablation Depth Per Pulse	Photo Chemical Component	Total Material Removal			
20	571	1.00	0.07	0.003573226	499.00	0.003573226	90.78	60.65	85.99	419.57	0.439	0.927	1.367	0.24	0.24
19	541	1.00	0.07	0.003573226	499.00	0.003573226	86.01	57.46	81.47	397.53	0.434	0.870	1.304	0.24	0.24
18	511	1.00	0.07	0.003573226	499.00	0.003573226	81.24	54.28	76.95	375.48	0.428	0.813	1.241	0.24	0.24
17	481	1.00	0.07	0.003573226	499.00	0.003573226	76.47	51.09	72.44	353.44	0.422	0.756	1.178	0.25	0.25
16	451	1.00	0.07	0.003573226	499.00	0.003573226	71.70	47.91	67.92	331.39	0.416	0.700	1.116	0.25	0.25
15	421	1.00	0.07	0.003573226	499.00	0.003573226	66.93	44.72	63.40	309.35	0.409	0.645	1.054	0.25	0.25
14	391	1.00	0.07	0.003573226	499.00	0.003573226	62.16	41.53	58.88	287.31	0.401	0.590	0.992	0.25	0.25
13	361	1.00	0.07	0.003573226	499.00	0.003573226	57.39	38.35	54.36	265.26	0.393	0.536	0.930	0.26	0.26
12	331	1.00	0.07	0.003573226	499.00	0.003573226	52.62	35.16	49.85	243.22	0.385	0.483	0.868	0.26	0.26
11	301	1.00	0.07	0.003573226	499.00	0.003573226	47.85	31.97	45.33	221.17	0.375	0.431	0.806	0.27	0.27
10	271	1.00	0.07	0.003573226	499.00	0.003573226	43.08	28.79	40.81	199.13	0.365	0.379	0.744	0.27	0.27
9	241	1.00	0.07	0.003573226	499.00	0.003573226	38.31	25.60	36.29	177.09	0.353	0.329	0.682	0.28	0.28
8	211	1.00	0.07	0.003573226	499.00	0.003573226	33.55	22.41	31.78	155.04	0.340	0.279	0.619	0.29	0.29
7	181	1.00	0.07	0.003573226	499.00	0.003573226	28.78	19.23	27.26	133.00	0.324	0.231	0.556	0.31	0.31
6	151	1.00	0.07	0.003573226	499.00	0.003573226	24.01	16.04	22.74	110.95	0.306	0.185	0.491	0.33	0.33
5	121	1.00	0.07	0.003573226	499.00	0.003573226	19.24	12.85	18.22	88.91	0.284	0.140	0.424	0.35	0.35
4	91	1.00	0.07	0.003573226	499.00	0.003573226	14.47	9.67	13.70	66.87	0.256	0.097	0.353	0.39	0.39
3	61	1.00	0.07	0.003573226	499.00	0.003573226	9.70	6.48	9.19	44.82	0.216	0.058	0.274	0.45	0.45
2	31	1.00	0.07	0.003573226	499.00	0.003573226	4.93	3.29	4.67	22.78	0.148	0.023	0.171	0.55	0.55
1	1	1.00	0.07	0.003573226	499.00	0.003573226	0.16	0.11	0.15	0.73	0.000	0.000	0.000	0.03	0.03

FIG. 4.